

What is Claimed is:

1. A universal angle jig comprising:

5 a pair of first rulers each having a linear portion at least at a part thereof and being pivotally supported at any position along the linear portions so as to be freely pivotable relative to each other;

10 a pair of second rulers each having a linear portion at least at a part thereof, being pivotally supported at any position along the linear portions so as to be freely pivotable relative to each other, and being pivotally coupled to the first rulers respectively, so that a parallelogram having four sides of equal length is defined by connecting four pivotal axes with straight lines; and

15 a reference ruler having a linear portion at least at a part thereof, supporting the pivotal axes for the pair of first rulers and for the pair of second rulers such that said two pivotal axes are respectively coupled to positions along the linear portion of the reference ruler, and permitting at least either one of said two pivotal axes to freely move in a direction along a diagonal line of the parallelogram,

20 wherein one or more angles, which are among an angle formed by the pair of first rulers, an angle formed by the pair of second rulers, and an angle formed by the reference ruler and one of the first rulers or one of the second rulers, are specified as angles to be obtained.

25 2. The universal angle jig according to claim 1, further comprising a locking portion for permitting and restraining the movement of said pivotal axis in the direction of the diagonal line and/or the pivot of at least one of the pair of first rulers or at least one of the pair of second rulers.

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3. The universal angle jig according to claim 2, wherein said locking portion is comprised of external thread portions formed on said two pivotal axes respectively and internal thread portions into which the external thread portions are screwed respectively.

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4. The universal angle jig according to claims 1 to 3, wherein the reference ruler is provided with scale indicia used for indicating said angles to be obtained according to the position of said pivotal axis and said pivotal axis is provided with a mark used for pointing out a scale division corresponding to the position of said pivotal axis.

5. The universal angle jig according to claims 1 to 4,
wherein the reference ruler supports said pivotal axis so as to be freely slidable in the direction of the diagonal line and comprises a guide groove having a width which is uniform throughout its entire length, and
wherein said pivotal axis has such a shape that it can slide in the guide groove without rattling.

6. The universal angle jig according to claims 1 to 5, wherein the first rulers, the second rulers and the reference ruler each have uniform width and thickness in a direction along the linear portion.

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7. The universal angle jig according to claims 1 to 6, wherein the pair of first rulers or the pair of second rulers respectively extend beyond their associated coupling point at which the pair of first rulers or the second rulers are coupled to each other.

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8. The universal angle jig according to claim 7, wherein either the pair of first rulers or second rulers, which extend beyond their coupling point, are substantially twice longer than the other pair.